002-0727-00 Actuator Kit (Tilt & Back) Installation Instructions (Models 416 / 417)

Kit Components

Part Number	Description	Qty.
002-0727-00	Actuator Kit	
• 029-2980-00	Actuator w/ Limit Switches	1
• 015-1656-00	Harness (Up Limit, *Red* Wires)	1
• 015-1657-00	Harness (Dwn. Limit, *Blk.* Wires)	1
• 015-1113-00	Wire Nuts	2
• 015-0013-01	Wire Tie (14 1/2" long)	2
• 003-1334-00	Installation Instructions	1

Removal

(1) Remove the Tilt and/or Back Actuator and Capacitor, refer to the appropriate Service and Parts Manual (Model 416 or 417) for procedures.

Installation

(1) Check dimensions and Limit Switch operation of the Actuator (Refer to Figure 1).

EQUIPMENT ALERT
Assure ***Extend*** Limit Switch normally closed contact (C-NC) is in the OPEN position when installing actuator onto table.

(2) Set the actuator so the contacts (*C-N/C*) on the Extend limit switch *just trip* to the *OPEN* position.

EQUIPMENT ALERT
When installing the Actuator per instructions in the manual *do not* connect the table electrical leads and run the actuator unless they have been changed to match those in Figure 2

(3) Install the Tilt and/or Back Actuator and Capacitor, refer to the appropriate Service and Parts Manual (Model 416 or 417) for procedures.

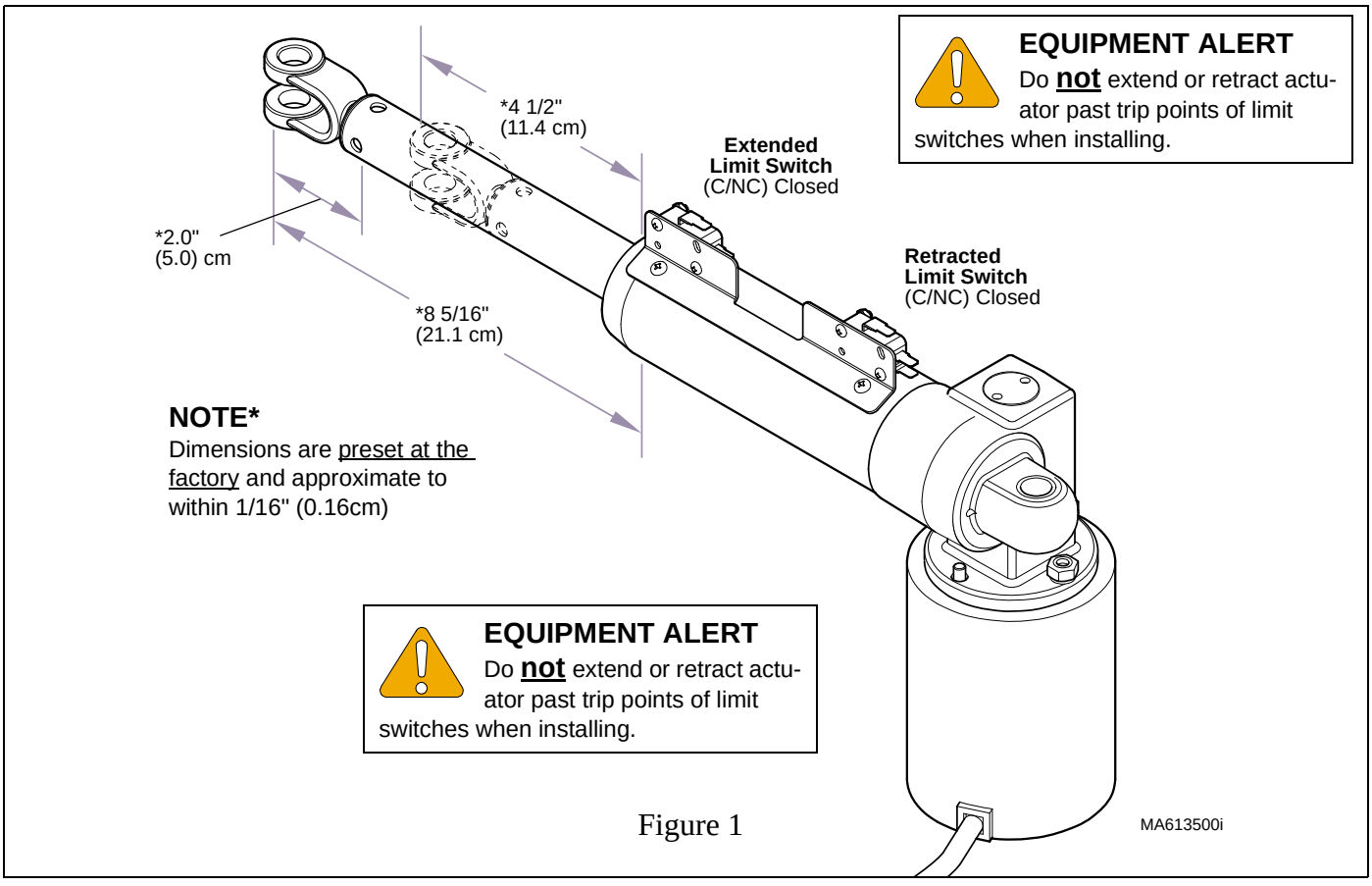

Figure 1

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Wire Connections

(Refer to Figure 2)

WARNING
Be sure supply power is off and capacitor on actuator has been discharged before continuing to avoid personal injury.

(1) Turn off the power and discharge the capacitor then, cut terminal connections off leads that connected to capacitor.
Do not strip leads but install wire nuts (provided) then tape to secure.

NOTE
Terminal end of capacitor must be facing toward actuator when positioned in mounting bracket.

(2) Connect flag terminal of red and black harness lead to capacitor terminals, install cap and position capacitor in mounting bracket.

(3) Install switch connector from *black harness to Retract (Down)* limit switch.

(4) Install switch connector from *red harness to Extend (Up)* limit switch.

(5) Connect black and red motor leads to black and red leads of harnesses that attach to Capacitor and common (C) terminal on actuator limit switches.

(6) Connect white motor lead terminal to white lead coupler of P.C. board harness.

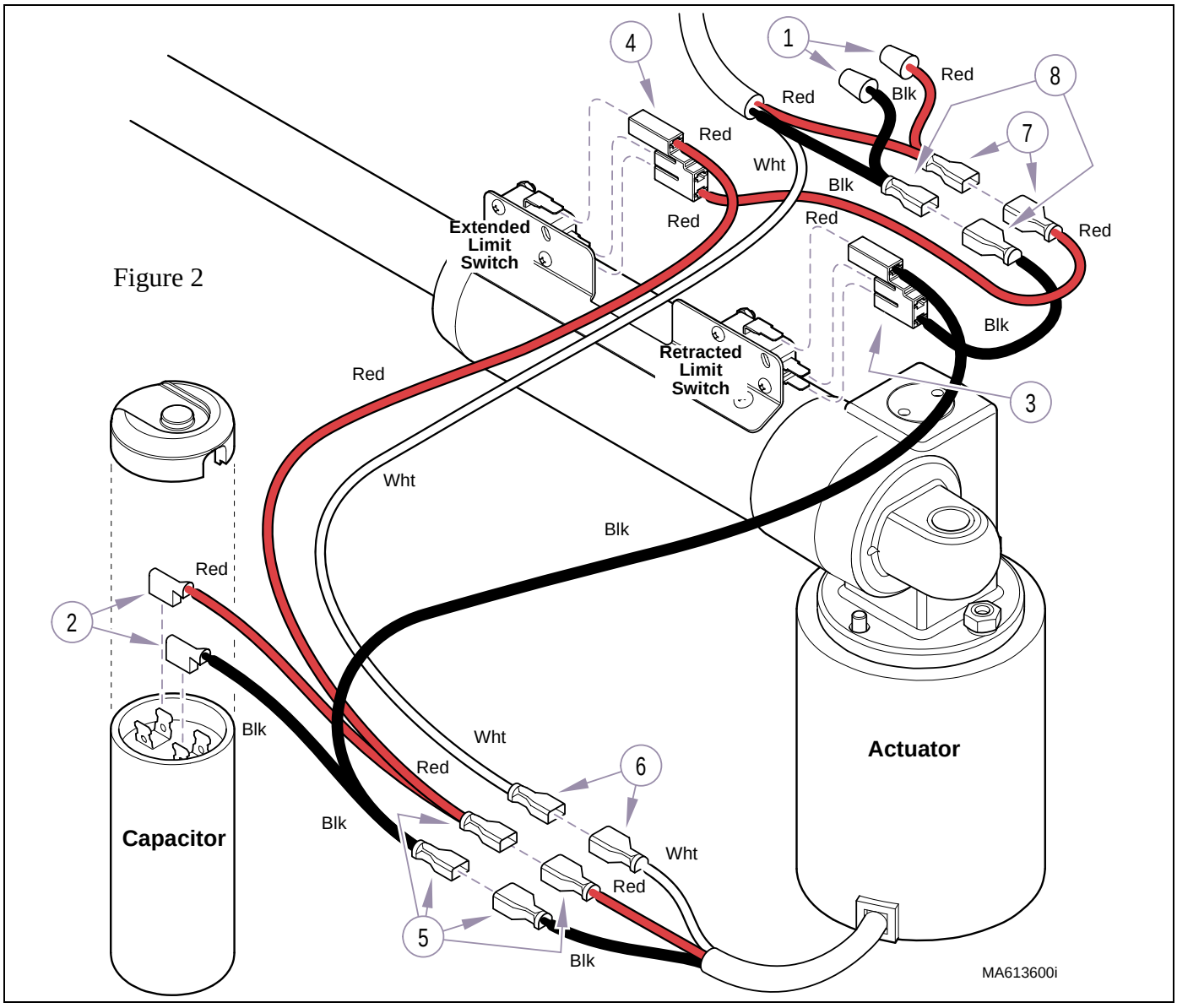
(7) Connect red lead from P.C. board harness to red lead from normally closed (NC) position on *Extend (Up) limit switch*.

(8) Connect black lead from P.C. board harness to black lead from normally closed (NC) position on *Retract (Down) limit switch*.

(9) Secure leads and harness to actuator and motor with wire ties (supplied).

(10) Run unit to check operation.

Figure 2



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